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Where Are You Buying Those Daily Planners?

by Ed Evans

District office chiefs recently received word that those offices purchasing daily planners from any commercial point of sales other than JWOD (Javits-Wagner-O'Day Act) were in violation of government regulations.

Products available for sale through JWOD are primarily items provided to the Federal Government as a mandatory source of supply for all Federal government employees. These products are manufactured by non-profit agencies throughout the United States that employ people who are blind or have other severe disabilities.

In checking with the Great Lakes and Ohio River Division's Internal Review Office, Debra K. Knight added, "Because JWOD makes a planner and it was approved by the JWOD committee (see www.jwod.gov) their product was determined to meet the minimum needs of the government. The government buys what is considered adequate to get the job done, anything else is considered gold plating and GAO determines such buys to be waste."

Herb Sharbel, Chief of the District Internal Review Office, said, "I recognize that auditors cannot dictate what is purchased by operating employees. However, if non-JWOD products are purchased, auditors can detect it by running the right database query and they

will report it as a finding of waste that will require an official District command reply."

"The website (www.jwod.gov) does a good job of explaining the program," Knight added. "There is also a commercial site, www.jwod.com, that has an online catalog of JWOD products and it also has good information on the program."

The JWOD committee is chartered by the same public law that enacted the program. The committee is appointed by the President and members act as advisors who approve what products are made by JWOD nonprofit companies and what price can be charged for those products.

Other commercial planners, such as Franklin Covey products, cannot be purchased by government funding even from GSA. The JWOD Act, dating back to the 1940's, requires the U.S. government to purchase comparable products produced by JWOD industries. They are marked JWOD/NIB/NISH in the GSA catalog or at GSA Advantage. JWOD has Daymax brand planners and refills.

"This came up because of planners," Knight said, "but there are lots of other JWOD products and we need to make sure we check their items before buying commercial." □

October Dates in District History

1768 - Lt. Thomas Hutchins, Engineer, British Army, supervises the construction of an armed galley which he uses the following year to reconnoiter & map the Tennessee & Cumberland Rivers.

1832 - Captains' Henry Shreve and Richard Delafield examine the Lower Cumberland River. Channel and stream bank clearing begin the same month and continue for several years.

1863 (Oct. 26-27) - While under artillery fire the 1st Michigan Engineers lay a 900 foot pontoon bridge across the Tennessee River at Brown's Ferry, breaking the Confed-

erate siege of Chattanooga.

1867 (Oct. 7), - Topographer Edward McDermott, U.S. Engineers, drowns below Chattanooga during a survey of the Tennessee River.

1888 (Oct. 1) - Colonel John Barlow opens Nashville District Office.

1925 (Oct. 1) - Widows Bar Lock opens on the Tennessee River (submerged by Guntersville Project in 1939.)

1973 (Oct. 17) - Cordell Hull project dedicated.

1983 - Beginning of Pineville, Kentucky, Section 202 flood protection project.



DistrictDigest

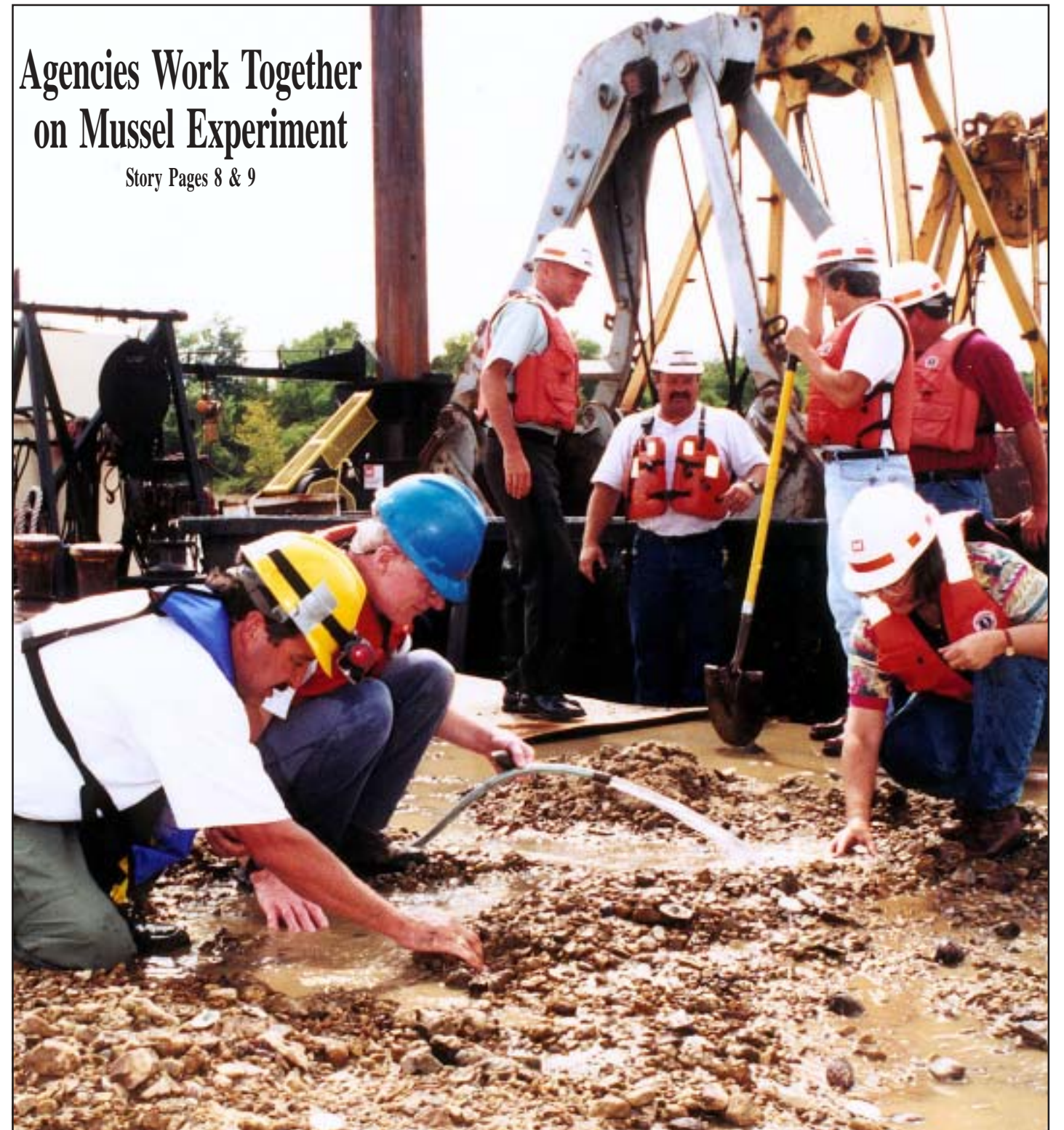
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Respected-Responsible-Reliable

October 2002

Agencies Work Together on Mussel Experiment

Story Pages 8 & 9



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“The Chief Sez . . .”

Many of you have asked me about the FAIR Act, competitive sourcing, and how we will comply with the presidential directive to streamline our organization. This is a very complex issue, and we are working with the Office of Management and Budget to develop an implementation plan. I have established a Project Delivery Team with members from throughout the Corps to develop our plan and work with OMB for approval. The team is working closely with our senior leadership to meet the requirements while producing the smallest possible adverse impact to our organization and people. I assure all of you that I am committed to taking care of people. We are still in discussions with OMB and working to finalize our plan. When we have something more concrete to report, we will make sure the information goes out to all members of our workforce. We will keep you informed as the work progresses.

Essayons!
LTG Bob Flowers



On the Cover

TWRA Biologist David Sims (from left), TVA Senior Mollusk Biologist Dr. John Jenkinson, and Corps Biologist Joy Broach sift through sand, gravel and cobble deposited on a barge by a clamshell dredge during the Relocation Experiment Sept. 17. The trio collected both adult and juvenile mussels, examined them for damage and then relocated them to the Tennessee River where they will be studied by divers during the next 12 months.

DistrictDigest

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Written material may also be sent electronically to the editor at the following e-mail address: David.S.Treadway@usace.army.mil/

Information about the Nashville District may also be found on the District's homepage at: <http://www.lrn.usace.army.mil>.

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collection of trash by teams made up of four Scouts and one adult. Each team collected one to two bags of materials that either washed ashore or was tossed aside by former visitors to the area.

“We used National Public Lands Day,” explained McCoy, “for the Cub Scouts to perform one of their deeds to earn a Good Turn Badge. This is a popular fishing area and the Scouts found all kinds of discards fishermen arrived with but failed to take out with them.

“We worked closely with Ranger Tadd Potter, as well as caretakers Judy and Fred Simpson, and hope we can do so again next year,” concluded McCoy.

Gourmet Pizza of Hendersonville donated lunch for Old Hickory volunteers, with drinks supplied by Nashville's Purity Dairy. Metro Beautification of Nashville donated yellow t-shirts for each participant, as well as gloves and garbage bags for use in collecting items.

At Cordell Hull volunteers began arriving after 8 a.m. and were quickly organized by Ranger Brock Jones and by 9 a.m. were busily scouring the shoreline at a dozen sites and depositing what they collected into dumpsters placed in strategic locations by both Smith and Jackson County officials.

Shortly after noon all volunteers gathered at Defeated Creek Park for a picnic organized and prepared by members of the Smith County Nature Group. The organization even donated all the food for the picnic and presented door prizes to those who had labored all morning with plastic bags in hand. Jones estimated that more than 200 hours of labor were donated by the 65 volunteers to clean up and haul away 27 cubic yards of refuse from the summer's activities.

At Dale Hollow Lake, 75 volunteers donated a total of 438 hours to collect three tons of trash around the shoreline of the lake. Students from Maple Grove Elementary School made Lillydale Recreation Area more attractive to guests by planting Lillies around the sign at the entrance to the campground. When the work was over, a lunch of barbecue, baked beans, and cole slaw was catered for them by 10 members of the Friends of Dale Hollow. The local Subways donated sandwiches and cookies. The shops joined more than 50 other contributors who donated door prizes and

other items to thank those who worked on National Public Lands Day. □

Pam Westerick (center) and Geneva Bartlett assist students from Maple Grove Elementary School plant flowers as their contribution to National Public Lands Day.



Flume Continued From Page 5

University officials. “The Corps of Engineers is proud to partner with TSU,” said Dr. Martin, “to enhance the University's classroom capabilities and ultimately the quality of the educational experience for students. This flume was used for many years by the Hydraulics Laboratory to conduct experiments and I am glad that it could be placed in an environment where it can still serve to make the learning experience more meaningful for young people with an interest in Hydrology and Hydraulics.”

Nicole McClain, a Nashville senior in the college of Civil Engineering, demonstrated the capabilities of the device and explained what it meant to the school.

“Before we received the flume from the Corps,” said McClain, “I conducted experiments on a much smaller device

where you sometimes had to use your imagination when trying to create effects caused by moving water. On this flume, the hydraulic jump is so much more defined and realistic. It allows students to visualize and research hydraulic phenomenon that, before now, we were only able to study in our textbooks. Experiments are more fun to conduct. I believe this demonstrates so much better the effects I will encounter when I graduate and begin working on a job in this field.”

The flume provides the University an engineering training tool to assist TSU professors and students in learning basic and complex hydraulics by a hands-on method.

“The addition of this flume to Tennessee State University,” said Dr. Farouk Mishu, Head of the Civil and Environmental Engineering Department, “represents a significant addition to the University's facilities.” □

District Remembers Continued From Page 4

women of the United States Armed Forces, this symbol of American freedom in honor of those who died on Sept. 11, 2001. This flag was raised and lowered over the Pentagon on Aug. 15, 2002 in their honor.”

Members of the Tennessee Air National Guard, 118th Tactical Air Wing, presented the colors, Diane Christon sang the National Anthem, Althea Straughter read a 911 poem, and Lester King, Nashville District, U.S. Army Corps of Engineers, played the bagpipes to conclude the noontime ceremony.

District employee Bill Peoples, recently returned from Afghanistan where he served as a Captain in the U.S. Army Reserves,

spoke at 1 p.m. about what it was like to fight terrorism in that war-torn country.

At an evening church service to honor firefighters, policemen and emergency service workers who played such a critical role on 9-11, James Sowell, Jr., represented the Corps of Engineers at the Murfreesboro United Pentecostal Church and led those assembled there in the Pledge of Allegiance before an address by Murfreesboro Mayor Tommy Bragg. Sowell was named the Great Lakes and Ohio River Division Emergency Responder of the Year for leading the Emergency Response Team that traveled from Nashville and spent three weeks at the World Trade Center site as the Emergency Operations Center. □

The Corps Crowd

Congratulations to...

...Tom Swor, whose younger sister, Sue Collier, was recently chosen as the only Metro teacher to greet President George Bush when he arrived in Nashville Sept. 17 because her Goodlettsville Elementary students posted Metro's highest annual achievement test scores.

...Bill Colvin, who recently earned the Certified Arborist title from the International Society of Arboriculture.

...Jack Midgett Sr., Supply Technician at Center Hill Lake, whose son Jack Midgett Jr. got a promotion from Lieutenant to Lt. Commander while stationed in Philadelphia, Pa. with the U.S. Navy.

...Hydropower Trainees Kevin Claywell and Chris Marlow who are each expecting their first child, and Hydro-power Trainee Guendell Bennett who is expecting his second child.

Welcome to...

...Holly Taylor, new Administrative Assistant in Office of Counsel. Holly is from Ft. Monroe and previously worked for EUD.

...Cheryl Wallace, new Administrative Assistant for the Resource Management Office. She comes to Nashville from Aberdeen Proving Ground, Maryland, where she has been a Fiscal Administration Tech. Prior to that she was here in the Nashville District, at the Electronics Service Unit at Old Hickory. She left the Nashville District in Nov 98.

Farewell to...

...Tom Peek, formerly Resource Manager at Center Hill Lake, who transferred to the Omaha District.

Sympathy to...

...The family of Larry Craig, Power Plant Manager at Wolf Creek and Laurel River, whose mother-in-law, Gaye Beaty, recently passed away.

...The family of Retiree Grace King, whose husband, James H.

King, passed away Sept 25. He was a veteran of WWII and Korea.

...The family of Horace John Hamner, retired Wheeler Lock Operator, whose wife, Genora Ann "Josie" Hamner passed away July 14.

...The family of Billy Evans, Real Estate Division, Management and Disposal Branch, who passed away Sept. 12 after a short illness at Centennial Medical Center. Notes of sympathy will reach the Evans family at 9443 Sugar Tree Dr., Bon Aqua, TN 37025.

...The family of James Boone, Old Hickory Power Plant, whose brother Isaiah Boone passed away Sept. 5.

...The family of William C. Ferguson, who passed away Aug. 5. Mr. Ferguson was a Draftsman in the Engineering Design Branch, Drafting Section.

...The family of Jerry Strother, Conservation Biologist at Cheatham Lake, whose mother Dixie Strother, passed away Sept. 20. Condolences will reach Jerry and wife Marilyn at P.O. Box 172, Cottonwood, TN 37048.

...The family of Ron Gatlin, Chief of Regulatory and acting Chief of Operations,

whose father-in-law passed away Oct. 2

...The family of Don Chaffin, retired Power Plant Manager, Mid-Cumberland Area, whose brother, Davis Chaffin, passed away Oct. 1.

...The family of retiree David Eldridge, who passed away Sept. 17.

Get Well to...

...Jeff Flowers, Barkley Power Plant Manager, who suffered a heart attack Sept. 24. He had by-pass surgery at St. Thomas Hospital and is now doing well.

Baby Brigade...

...Shirley Puckett, Center Hill, Park Contract Inspector, on the birth of granddaughter Maggie Cowan Long July 11. She weighed 7 lbs., 6 oz.

Wedding Bells...

...Laura Mahoney, who was married on Sept. 7 and spent her honeymoon on Kauai, Hawaii.

...Kyle Young, who married Mandy Taylor of Cleveland, Tenn., on Aug 17. Both are May '02 graduates of Tennessee Tech. □



District Engineer LTC Steve Gay signs a Service Level Agreement in September with Document Automation & Production Service (DAPS) representative Cathy Simpson (right) to continue in-house printing and duplicating services at the Federal Building, ending speculation about the service leaving Nashville. DAPS customers must accompany print requests with a completed and signed DD Form 282. Guidance will be out soon which will permit electronic transmission of printing and duplicating projects to DAPS. For assistance, contact Yvonne Hamilton (left), Printing/Reproduction Functional Manager at 736-5640.

Lieutenant Colonel Steve Gay

The Bottom Line

Hello to everyone in the Nashville District. September was a great month but, like all others, it went by too quickly.

Congratulations to the many of you who participated in this year's Corporate Challenge! I think everybody who participated, volunteered to help, or just came out to offer moral support had a great time ... I know I did. A special thanks goes out to Jim Deal for all his help in organizing the District's participation this year. We could not have done it without him.

Two new PMBP CD's "Teams and Me" and "Public Service and Me" were distributed this month. Facilitated training began around the middle of October and hopefully will be complete by the end of November. The Corps initiated PMBP on Oct. 1, '02 and the Nashville District responded by developing Program Management Plans (PMP) for all our projects and programs. We used a competition to see who could write the best PMP and I want to congratulate HR, RM, Office of Counsel, EEO and the Water Supply Reallocation Program as the winners of that competition. The PMBP PDT will begin develop-

ing our own District PMBP Manual this month to document our process and ensure it is consistent with the HQ PMBP Manual.

Dave Day and I recently attended a union meeting to discuss current events in the District as well as address any union concerns. The meeting went well and I walked away with an extremely positive feeling and a confirmation of what I already knew - the many members of our District team who are represented by the International Brotherhood of Electrical Workers Union, Local 2080, are the backbone of our workforce. Specifically, I find members of our union to be patriotic, dedicated, hard working, technically competent, and safety conscious. I have been around most of the Corps and in my opinion we have the best union, union members and most professional and responsive union leadership in the entire Corps.

Fiscal Year 02 is behind us now, and what a great year it was. We provided outstanding service to our customers in all seven of our mission areas, and I thank you for that. We also executed our programs (O&M, GI, CG, and CAP) with



great efficiency and expertise. Thanks to all of you who contributed directly and indirectly to this success story.

As you may know, the annual Combined Federal Campaign (CFC) drive begins this month. During my entire adult life, I have been fortunate in that I have been able to donate a small amount of my salary to foundations and organizations of my choosing to help those less fortunate. I ask that each of you consider giving whatever you can afford to make your community a better place in which to live or improve the quality of life of others. Thanks to Cullum Miller, Co-Chairman Tim Dunn, all the CFC Key Workers, and Mickie Porter for their efforts in leading the District's CFC campaign.

Recently, I had the honor of visiting with many retirees of the District during one of their periodic luncheons. I was impressed with their enthusiasm and interest in the future of the Corps and in particular, the District. I look forward to our next opportunity to meet and encourage all active members of the District team to attend a retirees meeting.

I want to remind everyone about the Nashville District's Employee Assistance Program (EAP). This is a service that we provide to all members of the District team and their immediate family who need to seek some help or counseling due to personal problems. The Safety and Health Office manages our EAP program; however, your participation is completely confidential. Please call the Safety Office if you have any questions.

Thanks again to everyone for your service and especially for your part in helping to achieve my goal of having a good day, every day while serving you in the Nashville District. □



Employee of the Month from the many excellent employees identified by the District's chain of command. □



Photo by Steven Foshee

Metropolitan Nashville Firemen from the Donelson Station participate Sept. 11 in the Patriot Day organized by the American Legion Post 88.

Commentary

Remembering September 11th

by Steven Foshee

As I drove to work, I passed a rather large American Flag displayed from the Donelson Bridge near the Nashville International Airport. I thought of freedom and sacrifice and offered a prayer for the family of James Foshee, a distant cousin who went to Afghanistan as a soldier from Fort Campbell and lost his life there fighting for freedom and against terrorism.

Later that morning I searched for my own contributions to our country and what I knew of the price of freedom. I registered for the draft without hesitation. Numerous friends several years older never made it back from Vietnam. A schoolteacher named Mrs. Vowel who taught third grade students received word that her son-in-law was missing in action and was never found.

At the federal building, the names of each individual who lost their life on September 11, 2001 could be heard throughout the building as employees gathered briefly around radios and TV sets.

Later that morning I attended a Patriot Day organized by American Legion Post 88 in Donelson. Numerous soldiers who fought in Korea and Vietnam greeted me

there. They spoke of freedom, sacrifices and comrades they had known during wartime. Precisely at noon, the Dupont Tyler Middle School Band (8th Graders) directed by Kathy Ganus began playing the National Anthem, the second such observance for the band to commemorate this tragic week.

Air Force Reserve Major Herb Gregory, a member of Post 88, told those assembled, “Those youngsters (Dupont Tyler Middle School Students) are our future and they will never know America like we have known it. You all know the price of freedom, some of you are sharing it and others are still living it. We need to pass this price of freedom on to these youngsters, our children and grandkids. We need to speak and share with them what we have felt in years past. Tell them what you have experienced individually and how proud you are.

“Young children today don’t know about Korea or Vietnam, and only a little about Desert Storm. They need to know the stories and we are the only ones who can share them. We all have our little memories tucked away, those that never made it to the press and we need to share those.”

The commemoration closed with the laying of wreaths, a 21-gun salute and taps. □

District Remembers Terrorist Victims

Hundreds of federal workers in the Estes Kefauver Federal Building paused Sept. 11 to honor the heroes of that awful day one year earlier when terrorists struck the World Trade Center and the Pentagon.

Employees observed moments of silence at the exact times when aircraft struck the North and South towers of the World Trade Center, the Pentagon, and a field in western Pennsylvania.

Congressman Bob Clement spoke to hundreds of federal employees and uniformed military personnel assembled on McGavock Street at noon about the need to remain vigilant. He honored the military men and women in uniform from the attack on the Pentagon, and those policemen and firefighters who gave their lives in the line of duty trying to save others at the World Trade Center.

“We remember them as heroes,” said Representative Clement. “They died because of how they lived - as free men and women, proud of their country’s cause - the cause of human freedom. We must remember the fallen as they would have wanted to be remembered - living in freedom as Americans.”

Congressman Clement read a proclamation signed by Secretary of Defense Donald Rumsfeld that accompanied a flag raised over the Pentagon and



sent to Nashville especially for use in the day’s observance.

“For more than 200 years,” read Rep. Clement, “the American flag has been the tangible symbol of our Nation and its history. It represents our people, it represents our pride, and most of all it represents our freedom.

“In appreciation of your courageous and dedicated service, it is my honor and privilege to present to you, the men and

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Lack of Knowledge Leads to Boating Fatalities

by Steven Foshee

Will you be the next boating fatality? You can become more “water wise” to ensure you aren’t.

According to Darren Rider, Tennessee Wildlife Resources Agency, “Tennessee’s data related to 540 boating accidents over the last three years indicates the lack of boaters’ experience and knowledge is the leading cause of fatalities.”

The recreational boating season for fishermen extends beyond the traditional Labor Day weekend as temperatures drop in late October and November.

Paul Kelly, park ranger trainee, J. Percy Priest Lake, outlined three steps for a safer more enjoyable outing on Corps lakes. The first step towards staying alive on the water is to become “water wise” by taking a boating safety course offered by numerous governmental and private boating safety organizations. Courses are offered in various formats including classroom, home study and on-line.

Water Safety

Check the U.S. Army Corps of Engineers website at <http://www.lrn.usace.army.mil/pao/watersafety/>, go to the links section and choose Boating Links for several on-line course providers such as the U.S. Coast Guard and Tennessee Wildlife Resources Agency (TWRA).

The second step towards staying alive is to establish a simple float plan and leave that plan with a friend who can notify the U.S. Coast Guard, TWRA or the U.S. Army Corps of Engineers should you not return as scheduled.

The float plan should include the name of the person reporting the overdue boater, description of the boat, operator of the boat and the survival equipment in the boat, marine radio (yes or no), trip expectations (departure from, destination and departure date), description of the vehicle left at ramp, persons on board and any additional information that might help in the rescue (include any general health issues).

The third step is to assess your boat’s condition, which includes properly tuned engine, all required safety equipment on



Several Nashville District employees took a Motorboat Operator refresher training course this year to gain insight on important changes in Corps, State and Federal boating requirements.

board, equipment accessible to passengers and operator, and knowledge of operating equipment. Kelly emphasized that boaters can show the direction of travel or that you are anchored by displaying the correct arc of the lights and colors. On most recreational boats, a red light is located on the boat’s left (port) and a green light is on the boat’s right (starboard) with an all-around white light located on the stern. This means that if you are approaching a vessel at night and see a white light and a green light then you are coming up on their right side and you have the right of way.

If you approach a vessel and see both a red and green light then you are meeting head on and should steer right to avoid a collision. A helpful saying to remember the rules of the road is, “When two lights you

see ahead, turn your helm and show your red.”

Tennessee’s Wildlife Resources Agency “2000 Accident Report” indicated that 645 persons were on board a boat involved in an accident. Most people who drown never intended to be in the water. Over the last 10 years, Nashville District has reported an average of 14 people drowning each year on Corps lakes. During the 1970’s and 1980’s that average was 36 drownings a year. This year the District recorded 12.

In 2002, Nashville had five visitors drown due to impaired judgment, according to official reports. Alcohol was a suspected contributor in four of those five cases. Kelly said “One boating or drowning accident is too many when education and experience can solve these problems.” □

The Audit Trail ...

Two recent audit trends of which you should be aware.

Environmental Contamination

On Aug. 23, the GAO released a report on Environmental Contamination. The Corps said 3,840 properties examined do not contain hazards that require cleanup action. Auditors tried to determine on what basis those properties contained hazards and if the Corps has communicated audit results to responsible owners and regulatory agencies. GAO concluded that 38 percent of the time the Corps did not have a sound basis for saying no

further action was needed and findings were not always communicated to owners and regulatory agencies.

DODIG FY 02 Civil Works CFO Audit

The Department of Defense Inspector General has made the FY-02 Civil Works CFO Audit its top priority. DOD is now prepared to allocate up to 100 auditors to perform the audit. This task will be greater than in years past since the audit team is starting at a late date and the accelerated reporting date is in December 2002. The DODIG plans to visit every district in the October/November time frame. This means auditors will have to work a bit harder during the audit. □

Volunteers Remodel Old Hickory Nature Trail, Collect Garbage at Area Lakes

Story and Photos by Dave Treadway

Volunteers came from near and far Sept. 28 to help Corps of Engineers Rangers tidy up the shoreline at Old Hickory Lake, Cordell Hull Lake and Dale Hollow Lake during National Public Lands Day 2002. Some of those volunteers even used posthole diggers, drills and saws to improve the Old Hickory Nature Trail and turn it into an arboretum.

Seven students, accompanied by an instructor and parents Nanci Frey from nearby DuPont Hadley Middle School and Kellie Patton from DuPont Hadley Elementary donated their morning to the cause.

“We enjoy visiting the Nature Trail since it is nearby,” said Patton, “and wanted to let the children be a part of the National Public Lands Day effort to make it better.”

Daniel Plumley, who lives in Old Hickory, chose to celebrate his birthday by helping work on the Trail.

“My wife asked me what I wanted to do on my birthday,” said Plumley, “and she was surprised when I told her I wanted to take my boys and help work on the trail.

They enjoy using it all the time as a safe place to ride their bikes since we live close by and now they can point to some of the improvements and tell their friends how they helped install the signposts for the Cottonwood tree, the Hackberry tree and the Yellow Poplar tree.

“We all had a great time and now the trail will mean a lot more to them. They’ll take better care of it since it’s now kind’a their trail too.”

He brought along sons Dylan and Derrick, and their cousins Earl and Chris.

Genell Hutson traveled all the way from Cookeville with five members of Girl Scout Troop 2349 to pick up trash along the shoreline of Old Hickory Beach and the woods adjacent to the Nature Trail.

“The Girl Scout Council in Nashville told us about the cleanup effort,” said Hutson, “and my girls wanted to travel outside Cookeville, so we came even though it wasn’t close by. They managed to collect five bags of trash and now the area looks much better.”

Nine adults who are

members of the Old Hickory Ski Club used their muscle and talents to refurbish the park benches so walkers can take a break on sturdy structures guaranteed to stand up to the elements for quite some time.

A total of 48 volunteers gathered at the trailhead, were briefed on safety procedures and given work assignments and tools by Ranger Tadd Potter. They then set to work repairing rotten wood on benches, digging

postholes, and installing birdhouses under the supervision of Gary Conley, Mark Klimaszewski, Freddie Bell and Travis Wiley.

Along the Nature Trail, volunteers repaired a total of eight benches, installed three houses for use by bluebirds, replaced worn directional and information signs, and created an arboretum along the trail by installing identification placards in front of cottonwood, loblolly pine, American elm, hackberry, black cherry, yellow poplar, bald cypress, pin oak and sweetgum trees.

Nashville Cub Scout Pack 913, under the direction of Cubmaster Denita Beard and Committee Chairperson Mark McCoy, cleaned the shoreline along Cedar Creek. They camped overnight at Cedar Creek with 40 Pack members and supervised the

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DuPont Hadley Middle School students Megan Porter (left) and Taylor Barr pick up garbage along the Old Hickory Nature Trail on Saturday, Sept. 28. The pair was accompanied by five other students, two parents and a school advisor.



Old Hickory resident Daniel Plumley installs a tree placard with the help of sons Dylan, Derrick, and nephew Earl. They walked three miles to take part in National Public Lands Day, even though it was Dad’s birthday.

Fire at Watts Bar Knocks Out Power to Lock

by Dave Treadway

A fire of unknown origin at the Watts Bar Hydroelectric Plant knocked out power and put the Watts Bar Lock out of commission for a short time Sept. 27. It began at 8:30 a.m. and was contained and then extinguished at about 2 p.m.

Five Tennessee Valley Authority (TVA) employees were treated for smoke inhalation and released.

Lockmaster James Mowery said the Corps’ emergency plan worked to perfection.

“At 8:25 a.m. on Friday we lost all electrical power at Watts Bar Lock,” said Lowery. “Lock Operator Terry Forshee and I looked out the window and saw thick black smoke coming from the powerhouse. I immediately called Rhea County Fire Department and then tried the on-site fire department at the Watts Bar Nuclear Plant,” he explained.

“There was never any danger to the lock or crew at anytime,” said Mowery. The Lockmaster then called Area Manager Tom Hood and explained the situation and the two made the decision to move an emergency diesel generator from Ft. Loudoun Lock to Watts Bar.

“Our mechanics were off duty,” Mowery explained, “so Lockmaster Tim Wright fueled the generator and delivered

it to the site. We had a transfer switch and electrical hook-up installed last summer just for this type of event. As a result, the lock was down and unable to pass traffic for only 2 and 1/2 hours. Without the installation of the emergency equipment we would have been without power much longer.”

Mowery then contacted Pete Leighty and Charlie Bryan in the Navigation Branch to have another generator delivered to the site as a back-up. The back-up arrived later that afternoon. Electricians Chris Dopel, Watts Bar, and Paul Murry, Fort Loudoun, then reported for work and provided 24-hour monitoring of both generators.

By Oct. 1, TVA had restored electrical service from a commercial power source and the generators were no longer needed.

Officials with the TVA said the Watts Bar Dam is still operable and flood-control operations were unaffected by the blaze. The hydro plant, however, will not be available for power generation until repairs

are made.

Power lines supporting Watts Bar Nuclear Plant run through the hydro switchyard and one power line was apparently lost as a result of the fire. Watts Bar Nuclear Plant continues to operate at 100-percent power, and all plant-safety systems are functioning as designed. The accident is still under investigation but fire investigators have ruled out any criminal cause, according to TVA spokesman Philip Ivey. □



Photo by Terry Forshee

Smoke billows from the Watts Bar Hydro Plant Sept. 27 shortly after 8:30 a.m. The fire of unknown origin put the Watts Bar Lock out of service for 2 and 1/2 hours until a portable generator was moved to the site.

Corps Donates Flume to Tennessee State University

by Dave Treadway

U.S. Army Engineer Research and Development Center’s Coastal and Hydraulics Laboratory in Vicksburg, Miss., and the Nashville District, U.S. Army Corps of Engineers, officially donated a hydraulic research flume to Tennessee State University Friday, Sept. 20, at the Andrew P. Torrance Engineering Center.

Dr. William D. Martin, the Deputy Director/Chief of Staff for the Coastal and Hydraulics Laboratory, was on hand to officially present what is described as a Hydraulic Demonstration Channel to

Continued on Page 15
See *Flume*



TSU Senior Nicole McClain demonstrates a hydraulic research flume presented by the U.S. Army Engineer Research and Development Center’s Coastal and Hydraulics Laboratory in Vicksburg, Miss.

Corps Praises Partners for Support of Equatic Ecosystem Restoration Project

Story and Photos by Dave Treadway

Two individuals who facilitated progress on the Corps of Engineers Lower Cumberland River Aquatic Ecosystem Restoration Project were recently lauded for their support.

Mr. Charles Turner, Pennyrile Area RC&D Coordinator, and Judge Joe Ward, Livingston County Judge Executive, were each presented a Commander's Award for Public Service. Turner received his award in August and Judge Ward was presented an award by Nashville District Engineer Lieutenant Colonel Steve Gay Sept. 19.

People

Turner was cited for working with Corps of Engineers technical staff to coordinate with Congressional staff, numerous agencies, three county Judge Executives and the public in this ecosystem restoration project valued at more than

\$6 million to restore aquatic habitat by protecting more than three miles of eroding streambank.

Dave Day, the Nashville Deputy District Engineer for Project Management, said, "Turner's accomplishments were instrumental in reducing siltation and re-establishment of riparian buffers along the lower Cumberland River in Livingston, Lyon and Crittenden Counties."

LTC Gay visited Judge Ward's courtroom to make the presentation. He cited the Judge's commitment to the residents of Livingston County and his persistence in working with various agencies to see the project through to

Dave Day presents the Commanders Award for Public Service to Charles Turner, Pennyrile Area RC&D Coordinator, for support of the Lower Cumberland Project.



Judge Joe Ward, Judge Executive of Livingston County, Kentucky, and his wife Cindy, display the Commanders Award for Public Service presented in the Livingston County Courthouse Sept. 19.

fruition.

"Judge Ward is presented the Commander's Award for Public Service," said Gay, "signed by my boss, Brigadier General Steven R. Hawkins, the Commander of the Great Lakes and Ohio River Division in Cincinnati, for his leadership as Judge Executive of Livingston County, Kentucky, and his commitment to re-establishing and protecting the natural resources of the lower Cumberland River."

Serious erosion along the banks of the lower Cumberland river had resulted in poor, unstable habitat for macroinvertebrates and fish, reducing biological productivity and diversity.

Costs of the project were shared between the U.S. Army Corps of Engineers, the Commonwealth of Kentucky, Lyon, Crittenden and Livingston Counties. Streambank stabilization work was performed by Choctaw Transportation Company, Inc. of Dyersburg, Tennessee. Construction began in September 2001 and will be completed this fall with plantings of selected vegetation along restored streambank. □

2002 EAGLEs Assist Habitat for Humanity

by EAGLE class members

The 2002 Employees Achieving Greatness and Leadership Excellence (EAGLE) class converged on Joseph Street in Lebanon, Tennessee, on Sept. 18 to help build the latest Habitat for Humanity home, the twenty-eighth for Wilson County.

The day proved to be a learning experience for all as well as a chance to give a helping hand to others. It was also another opportunity for EAGLE members to get to know each other better. There's no better way to get to know folks than to work beside them. You learn to trust the guy standing in mud – it had rained earlier – who is holding the ladder for you while you're ten feet up installing vinyl siding. And when we ran into the half-built structure when it began to rain again just before noon, those who hadn't brought snacks appreciated what was shared by others. As we sat on the unfinished sub-floor, we could imagine what the place was going to look like when finished and the Habitat family moved in. Kind of like the hymn, "what a glorious day that will be..."

People

"We grew stronger as a team," said Tommy Mason. "I really enjoyed watching everyone work together and having fun. It was a great experience for me."

Mickie Porter added, "I felt like I was

doing something that really mattered."

"Volunteering gave me a sense of pride," said Tadd Potter, "and a feeling of sympathy for those families less fortunate than mine. "The 2002 Eagles took this opportunity seriously and did their very best work. Not only were we building homes for families unable to purchase a home through conventional loans, we were also building relationships with one another. Teamwork was essential for this mission. From cutting boards to holding ladders, we worked together."

EAGLE Elaine Bustillos coordinated participation by the group.

Little did we realize that our one-day effort was part of a much bigger picture – that of a worldwide movement which has completed more than 125,000 houses in 83 countries.

Habitat for Humanity of Wilson County is an affiliate of Habitat for Humanity International, founded in 1976 as an ecumenical Christian housing



Photo by Richard Graham

Janelle Dickens becomes a carpenter for a day as she helps build the 28th Habitat For Humanity home in Wilson County.

ministry that seeks to eliminate poverty housing from the world by making decent housing a matter of conscience and action. Through volunteer labor and donations of money and materials, Habitat builds and rehabilitates simple houses with the help of the homeowner or partner families.

Habitat's family selection committee is responsible for selecting homeowners. Families who have lived in Wilson County for one year or more are selected based on the need for adequate housing, income level, and willingness to partner in the program. Each selected family is required to contribute 500 hours of "sweat equity," or work in partnership with volunteers in building their house and their Habitat neighbors' houses. □



Photo by Richard Graham

Joy Broach and Tadd Potter help install aluminum siding.



Five Honored for Work on Program Management Plans

Photo by Bill Peoples

The District Engineer congratulates the chiefs of EC-H Water Supply Reallocation Program, (from left) Resource Management, Human Resources, Office of Counsel, and Equal Employment Office at the October Project Review Board for work on the development of initial Program Management Plans.

by Dave Treadway

Five District offices were named winners in the District's recent "Build the Best Program Management Plan" contest.

Human Resources placed first, with Resource Management, Office of Counsel, Equal Employment Office, and EC-H Water Supply Reallocation Program earning second, third, fourth, and fifth place honors respectively.

District Engineer LTC Steve Gay congratulated all those who prepared plans for their efforts. "These plans will put us well along the road to fully implementing PMBP in Nashville District. You are all 'winners' in this endeavor," said Gay.

Doug Radley, tasked with leading the Program Management Plan Implementation Team, explained how the competition evolved.

"We encouraged leaders," said Radley, "to develop a team or attack it themselves to prepare a Program Management Plan (PgMP) or Project Management Plan (PMP) and submit it by Sept. 30. The journey was the goal, not the destination. We attempted to get everyone started

thinking of the Project Management Business Process when considering the way they do business to change people's thinking."

Chief of Engineers LTG Robert Flowers set Oct. 1 as the kickoff date for implementation of the Project Management Business Process so it was imperative that Offices have a plan in place before that date, Radley explained.

"These plans represent the first attempts by some," said Radley, "of thinking outside the box. Dave Day, Deputy District Engineer for Project Management, who serves as the Program Champion, gave supervisors a suggested starting point and a plan outline but not much else to go by. Leaders then had to wrestle with this new concept in developing a plan."

Guidance provided to supervisors included the difference between a Program and a Project.

A Program is defined as: 'A group of projects or recurring services that may be categorized by funding source, requirements defined in the program management plan, or other common criteria for which resources are allocated and collectively managed.'

A Project is defined as: 'Any work intended to produce a specific expected outcome. A project has a defined scope, quality objectives, schedule, and cost. Internal services are discrete projects when they are nonrecurring or of special significance.'

The plans written for the competition, according to Radley, were for programs instead of projects. A total of 20 plans were prepared.

Authors of Plans were referred to the Headquarters PMBP Manual, REF8005G, where they were to consider factors such as Scope, Team Identification, Critical Assumption Constraints, Funding, Schedule, Acquisition Strategy, Risk Analysis, and Communications Strategy, among others.

"All supervisors," said Radley, "did what they were supposed to do, but it was evident that some spent more time on them than others. Some sought assistance from LRD or Headquarters, while others did not. The judges (Radley, Dave Day, and Maj. Robert Pegg) considered the effort expended on the Plans, and on their usefulness in actually carrying out and tracking work," explained Radley. □

How High Is The Water...?

Laurel, Wolf Creek Power Plants Assist Residents of Pineville, Kentucky

by Mark Willis

Longtime residents of Pineville, Kentucky – strategically located downstream from the confluence of the Cumberland River and Yellow Creek – are no strangers to flash floods, and the catastrophic damage they often leave in their wake.

A concrete floodwall and earthen levee system was built in this area in 1957 to deal with frequent floodwaters. In spite of the work, an April 1977 flood easily overtopped the structures. This resulted in eight flood-related deaths, one-story structures were submerged, and Pineville's commercial center was extensively damaged. As a result of these devastating natural disasters, the U.S. Army Corps of Engineers was asked to assist the residents of this southeastern Kentucky community.

Congress passed legislation in 1981 directing the Corps of Engineers to design and construct flood control measures at several geographical areas, which included Pineville, on the Upper Cumberland River.

By late 1987, construction of a new combined highway/floodwall (a new portion of state highway built atop the raised levee – floodwall) was complete. The 8,100 – foot concrete floodwall and levee is now about sixteen feet higher than the old floodwall. Several pumping stations and intercepting sewers were also added to assist in interior drainage of excess water inside the walls of the levee.

Nashville District Power Plant employees were recently called upon to return to this area, this time to provide technical assistance.

Ironically, Dave Verploegen, the District emergency manager and Jared C. Gartman, the District natural disaster manager, had arrived in the area in May the night flooding began. "We perform inspections of the Local Flood Protection projects annually throughout the southeastern Kentucky area," said Gartman. "This year we actually got to see all the projects perform during a flood. Each project



Photo by Larry Craig

Journeyman Maintenance Mechanic Kenny Lewis (right) and Maintenance Worker Jimmy Mann, both of the Wolf Creek Power Plant, prepare the new gate stem for the Wallsend Pumping Station in Pineville.

performed as designed and protected the cities from the fast rising waters. Wallsend pumping station in Pineville was the only project that experienced any problems."

As a result of those problems, Pineville city officials assessed their capabilities and contacted the Readiness office to request assistance. "It was determined to be in the best interest of the Government to provide technical assistance to the City of Pineville to help prevent future flooding in the Wallsend community," Gartman explained.

Verploegen asked Operations Manager Tom Hale and Eastern Kentucky Area Power Project Manager Larry Craig if their staffs could provide technical support and community assistance to the city of Pineville.

Craig and Robert "Bobby" Williams, Power Project Specialist at Laurel Power Plant, then visited the Pineville pumping station for an on-site inspection of the damaged equipment.

"What we found was a gate stem damaged beyond repair," said Williams. Another one would have to be custom made, and the size and number of threads on the new stainless steel shaft would have to exactly match those on the

damaged one.

Craig and Williams both agreed that their staff members had the expertise to handle the job, and informed Pineville officials that Laurel and Wolf Creek Power Plants would provide assistance.

Kenny Lewis was assigned the job of Lead Mechanic on the project and Williams was named Project Supervisor.

In the first stage of this undertaking, two sections of the damaged gate stem were removed and taken to Wolf Creek Power Plant to be precisely duplicated.

Paul Stewart, Senior Mechanic at Laurel, Dewitt "Woody" Woodall, Maintenance Worker at Laurel, and Williams then returned to Pineville to fashion a temporary method to raise and lower the pumping station gate until the new gate stem is completed.

"Construction of the new pumping station gate stem," said Williams, "is progressing and we expect to finish it by the end of October."

"The guys at Laurel and Wolf Creek Power Plants are doing a great job to assist the residents of Pineville," said Gartman. "They're representing the Nashville District very well. My hat's off to them for the outstanding work they're doing." □

Agencies Test New Mussel Relocation Method

Story and Photos
by Dave Treadway

More than two dozen workers representing seven different agencies recently experimented with a new method of relocating mussels in the Tennessee River, a required procedure prior to dredging operations where mussels are present.

The work was the culmination of more than three years of planning by the U.S. Army Corps of Engineers, the Tennessee Valley Authority (TVA), the U.S. Fish and Wildlife Service, the Tennessee Wildlife Resources Agency (TWRA), the Tennessee Department of Environment and Conservation (TDEC), Wolf River Conservancy, and Dr. Andrew Miller, Reach Limnologist with the U.S. Army Engineer Research and Development Center (ERDC) in Vicksburg, Miss.

Corps of Engineers Towboat Captain John Nunley positioned the Motor Vessel Iroquois, Derrick Boat, and supporting barges before dawn on September 18 twelve miles downstream



Jimmy Alley, a commercial shell collector from Savannah, uses a dremel tool (inset) to inscribe a mussel with an identifying number.



Corps of Engineers Lead Biologist Patty Coffey (center) points to a live specimen while working with TVA Senior Mollusk Biologist Dr. John Jenkinson to sift through sand, gravel and cobble deposited on a barge by a clamshell dredge.

of Pickwick Lock and Dam, the area selected for the relocation experiment.

Once all agencies were present and briefed on safety procedures, Derrick Boat Operator Chuck Nichols began what for him would be a busy day. He gently lowered the 3-cubic yard clamshell dredge into the water until it rested on the bottom. He then scooped approximately 12 inches of substratum (Treatment 1) and lifted it to a nearby flat-top barge where he slowly emptied the contents on deck.

Nichols then placed the dredge again on the river bottom and this time filled the dredge bucket with a full 3 cubic yards (Treatments 2 & 3). He again emptied his load gently on the deck of the flat barge.

“This material,” said Planning

Biologist Joy Broach, “will serve as our test bed to determine how many of the mussels relocated in this manner are harmed by the equipment.”

The conventional method of relocation is by hand using divers who survey the surface area to be dredged, an expensive and time-consuming procedure depending on the size of the area to be cleared. An alternative would be to collect mussels with a diver-operated suction pump. More mussels would be removed using a suction dredge with a 4-8 inch intake pipe than a diver could collect by hand. Both methods result in some mussel mortality due to handling, temporary storage before relocation, or placing them in the water.

Broach was joined by TVA Senior Mollusk Biologist Dr.

John Jenkinson, Corps Lead Biologist Patty Coffey, and TWRA Biologist David Sims to sift through the two piles of sand, gravel, and cobble to retrieve all species of both adult and juvenile mussels.

“We need to determine what percentage of mussels survive both the shallow scoop method and the full-scoop methods of dredging,” explained Broach.

Keeping the mounds of material wet with a water hose to aid in mussel survival, the group sifted and searched, gently placing specimens into bags placed in buckets of water. Collected specimens were then given to TWRA Wildlife Officers Don Hubbs and Freddie Couch for identification and data collection.

The mussels were next taken to Dr. Miller and his crew on

shore. He carefully inspected each mussel for damage, and determined the exact size of each, before handing them to Jimmy Alley, a commercial shell collector from Savannah who inscribed each mussel with an identifying number using a dremel tool. Only one damaged mussel was found in the two test scoops.

Dredge Operator Nichols used Treatment 1 to place a single layer of scooped material in a dump scow, approximately 15 cubic yards in a vessel designed to carry 300 cubic yards. Equipment Mechanics Charles Reed and Rodney Koger and Derrick Boat Operator Trainee Larry McGehee served as deck hands to expertly secure and release the dump scow and the Iroquois each time movement was required. McGehee sprayed the dredged material with a fire hose to aid in mussel survival.

The collected material was then placed in a location perpendicular to shore by Nunley who slowly opened the scow as he backed away from shore. The location was marked so divers from Mainstream Commercial Divers could then collect mussel specimens for inspection by Dr. Miller, Chad Lewis with Mainstream Commercial Divers, Inc., and Don Manning, a retired private citizen and naturalist from Henry, Tenn., who recently published a related article on mussels in the Journal of the Tennessee Academy of Science 71:90-94. Manning also represented the Wolf River Water Conservancy.

Treatment 2 involved dredging and loading the barge in the same manner as is usually done in a typical dredging operation. Nichols used a full scoop (3 cubic yards) to dredge and fully load the dump scow. Treatment 3

was a full scoop one layer deep in the dump scow. All were emptied in the same manner perpendicular to shore in marked areas so divers can revisit them at 30-day, and 12-month intervals to examine mussels for condition and survival rates. Nichols placed each treatment in two barges. Nunley then positioned the barges at marked locations and spread both mussels and habitat over a total of six relocation sites. The dredged test site covered about one-half acre.

Limnologist Dr. Miller, the primary author of the proposed experimental mussel relocation methods employed, was pleasantly surprised by the preliminary results.

“We have carefully examined between 500 and 1,000 mussels today,” said Dr. Miller, “and we found very few damaged mussels in the dredged up material. TWRA divers found some mortality in the area where the dredge worked. All other mussels appeared to be in excellent condition. All measured and marked specimens were returned to the relocation sites and will be studied over the next 12 months to determine their survival rates as a result of this mussel relocation experiment.”

“This method could result in lower mortality rates,” continued Miller, “and be quicker than using divers to collect by hand. This may be the first time such an experiment has been tried.”

According to Dr. Miller and Barry S. Payne, co-author of *An Evaluation of Methods to Safely Remove Freshwater Mussels Prior to Maintenance Dredging*, relocating mussels can be a costly procedure. Divers could collect and remove live mussels from approximately 270 square meters during a working day. At



Corps of Engineers Lead Biologist Patty Coffey (below) examines a Fragile Papershell Mussel taken from the sand, gravel, and cobble with TVA Senior Mollusk Biologist Dr. John Jenkinson.

this rate, the crew could cover approximately one acre in 15 days. For the divers to remove mussels by hand from an area 4.3 acres requiring dredging near Diamond Island in the Tennessee River could require 64 days (4.3 acres x 15 days/acre) at a cost of \$3,000 to \$5,000 per day (\$192,000). And this would not include time

A Corps of Engineers worker (above) watches as Derrick Boat Operator Chuck Nichols empties the 3-cubic yard clamshell dredge onto a flat-top barge Sept. 17.

